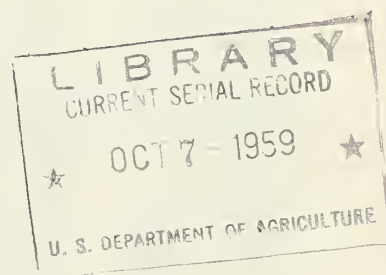


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UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE

Tables on Hatchery and Flock Participation in the
National Poultry Improvement Plan
by States and Divisions, 1957-58 and 1958-59 and
U. S. Summary, 1953-54 to date



HIGHLIGHTS

The hatching egg capacity of participating hatcheries reached a new high of 401.6 million in 1958-59. This was a 13 million increase from the previous year.

The number of participating hatcheries has declined each of the 6 years shown in the report, while the average capacity has increased from 98,000 to 148,000.

Both average flock size and total number of birds in participating flocks reached record levels. Similar to the trend in hatchery participation, the number of flocks has declined while the average size of flocks has increased.

More than 38 million birds, 95.6% of the total, were in flocks qualified as U. S. Pullorum-Typhoid Clean. The percentage of reactors on first test, 0.24, was the lowest on record.

Table 1- Hatchery Participation in the National Poultry Improvement Plan,
by States and Divisions, 1957-58 and 1958-59

State and Division	1957-58		1958-59	
	Number	Egg Capacity	Number	Egg Capacity
Maine	28	6,440,220	25	7,663,798
New Hampshire	24	4,449,300	23	3,901,300
Vermont	9	209,600	8	242,080
Massachusetts	60	4,656,368	59	4,252,992
Rhode Island	6	298,936	7	344,616
Connecticut	77	8,020,825	69	8,469,175
New York	49	5,111,920	53	5,454,960
New Jersey	68	11,687,950	58	10,624,590
Pennsylvania	84	13,385,204	78	13,696,258
NORTH ATLANTIC	405	54,260,323	380	54,649,769
Ohio	135	14,876,112	122	13,719,153
Indiana	194	26,233,000	189	26,167,000
Illinois	160	22,402,815	150	18,018,335
Michigan	65	5,745,522	63	5,434,627
Wisconsin	50	4,827,760	51	5,013,760
EAST NORTH CENTRAL	604	74,085,209	575	68,352,875
Minnesota	210	23,573,762	261	24,575,886
Iowa	112	14,453,240	125	15,583,080
Missouri	132	22,991,336	122	23,387,812
North Dakota	32	2,233,548	33	2,206,986
South Dakota	49	4,729,600	51	4,956,560
Nebraska	59	6,272,201	55	6,024,271
Kansas	83	6,465,180	89	6,348,504
WEST NORTH CENTRAL	677	80,718,867	736	83,083,099
Delaware	19	10,165,500	19	10,363,500
Maryland	44	13,197,760	44	14,198,340
Virginia	67	13,767,575	62	13,930,930
West Virginia	19	2,110,716	18	2,202,876
North Carolina	136	17,508,624	134	20,518,815
South Carolina	25	3,012,800	27	3,293,200
Georgia	143	33,857,454	158	39,298,436
Florida	44	5,126,735	44	5,178,015
SOUTH ATLANTIC	497	98,747,164	506	108,984,112
Kentucky	60	4,906,684	56	4,905,080
Tennessee	38	4,624,080	39	4,772,440
Alabama	71	13,763,781	68	15,797,329
Mississippi	54	11,849,344	61	15,372,218
Arkansas	56	13,312,130	59	14,542,843
Louisiana	15	1,507,720	11	1,367,340
Oklahoma	35	4,644,180	36	5,028,080
Texas	31	5,628,920	31	6,062,520
SOUTH CENTRAL	360	60,236,839	361	67,847,850
Montana	14	1,112,420	12	903,300
Idaho	25	1,323,152	22	1,328,330
Wyoming	2	95,000	2	95,000
Colorado	11	1,508,500	13	1,433,000
New Mexico	2	82,000	1	50,000
Arizona	7	460,000	6	290,000
Utah	11	1,011,780	7	833,000
Washington	33	4,165,470	29	4,084,770
Oregon	38	3,032,100	35	3,278,200
California	40	7,812,630	32	6,425,736
WESTERN	183	20,603,052	159	18,721,336
UNITED STATES	2,726	388,651,454	2,717	401,639,041

Information in this report was compiled by the Animal Husbandry Research Division,
Agricultural Research Service.

Table 2 - Flock Participation in the National Poultry Improvement Plan,
by States and Divisions, 1957-58 and 1958-59

State and Division	1957-58			1958-59		
	Flocks	Birds	Av. birds per flock	Flocks	Birds	Av. birds per flock
Maine	941	2,048,807	2,177	859	2,232,211	2,599
New Hampshire	180	906,120	5,034	158	1,006,216	6,368
Vermont	172	207,049	1,204	90	204,513	2,272
Massachusetts	244	781,722	3,204	197	717,955	3,644
Rhode Island	32	46,429	1,451	34	46,482	1,367
Connecticut	148	746,541	5,044	122	739,027	6,058
New York	145	525,097	3,621	147	503,947	3,428
New Jersey	277	774,155	2,795	250	675,387	2,702
Pennsylvania	1,448	1,457,902	1,007	1,058	1,462,781	1,383
NORTH ATLANTIC	3,587	7,493,822	2,089	2,915	7,588,519	2,603
Ohio	2,958	1,113,900	377	2,648	1,101,078	416
Indiana	6,317	2,458,207	389	5,726	2,498,648	436
Illinois	4,586	1,541,543	336	4,150	1,360,381	328
Michigan	762	431,618	566	644	418,847	650
Wisconsin	918	443,557	483	962	493,705	513
EAST NORTH CENTRAL	15,541	5,988,825	385	14,130	5,872,659	416
Minnesota	2,908	1,742,068	599	2,884	1,816,396	630
Iowa	3,916	1,569,792	401	3,997	1,605,282	402
Missouri	6,394	1,816,315	284	7,173	2,187,639	305
North Dakota	550	142,247	259	537	142,310	265
South Dakota	711	256,080	360	670	256,565	383
Nebraska	1,259	447,606	356	1,186	488,306	412
Kansas	1,436	446,742	311	1,772	537,928	304
WEST NORTH CENTRAL	17,174	6,420,850	374	18,219	7,034,426	386
Delaware	280	455,040	1,625	201	461,348	2,295
Maryland	668	371,613	556	580	347,932	597
Virginia	1,331	1,141,808	858	1,351	1,210,289	896
West Virginia	707	179,426	254	572	175,427	307
North Carolina	2,603	2,857,735	1,098	2,891	3,817,065	1,320
South Carolina	296	354,725	1,198	316	405,922	1,285
Georgia	1,217	3,591,099	2,951	1,574	4,748,281	3,017
Florida	114	319,400	2,802	95	325,872	3,430
SOUTH ATLANTIC	7,216	9,270,846	1,285	7,580	11,492,136	1,516
Kentucky	1,913	455,126	238	1,912	496,688	260
Tennessee	742	383,038	516	648	400,403	618
Alabama	558	1,181,037	2,117	590	1,406,282	2,384
Mississippi	420	786,835	1,873	600	1,287,912	2,147
Arkansas	1,147	983,325	857	1,093	1,335,255	1,222
Louisiana	222	355,269	1,600	149	324,359	2,177
Oklahoma	870	225,868	260	775	212,324	274
Texas	387	559,828	1,447	299	551,593	1,845
SOUTH CENTRAL	6,259	4,930,326	788	6,066	6,014,816	992
Montana	146	69,496	476	106	75,619	713
Idaho	133	74,417	560	114	85,585	751
Wyoming	17	2,857	168	20	4,798	240
Colorado	211	78,503	372	201	62,002	308
New Mexico	5	2,180	436	2	540	270
Arizona	17	25,518	1,501	13	22,961	1,766
Utah	63	84,151	1,335	66	95,401	1,445
Washington	282	492,075	1,745	241	461,260	1,914
Oregon	452	450,585	997	520	509,789	980
California	104	495,349	4,763	140	615,981	4,400
WESTERN	1,430	1,775,131	1,241	1,423	1,933,936	1,359
UNITED STATES	51,207	35,879,800	701	50,333	39,936,492	793

Table 3 - Summary of Hatchery Participation in the National Poultry Improvement Plan,
1953-54 to 1958-59, inclusive

		1953-54	1954-55*	1955-56*	1956-57*	1957-58*	1958-59*
Number Hatcheries		3,722	3,443	3,157	2,991	2,726	2,717
Hatching Egg Capacity		364,518,975	369,232,160	369,239,267	383,805,716	388,651,454	401,639,041
Percent Increase	No.	-9.29	-7.50	-8.31	-5.26	-8.85	-3.33
or Decrease	Cap.	-4.21	+1.29	+0.02	+3.94	+1.3	+3.34
Av. cap. per hatchery		97,936	107,241	116,958	128,320	142,572	147,824
A. M. S. Hatchery Estimate	No. Cap.				5,045		4,257
Percent of A.M.S. Estimate Participating	No. Cap.				59.3		63.8
					72.6		75.8
U. S. Approved	No. Cap. Per.	3,073 320,494,858 87.92					
U. S. Certified	No. Cap. Per.	306 17,201,969 4.72	1/ 3,117 340,144,729 92.12	1/ 2,886 343,661,163 93.07	1/ 2,702 353,920,728 92.2	1/ 2,451 355,969,094 91.6	1/ 2,360 368,530,358 91.8
Pullorum Classes Only (no breeding stage)	No. Cap. Per.	343 26,822,148 7.36	2/ 326 29,087,431 7.88	2/ 271 25,578,104 6.93	2/ 289 29,884,988 7.8	2/ 275 32,682,360 8.4	2/ 357 33,108,683 8.2
U. S. Pullorum- Controlled	No. Cap. Per.	251 17,777,950 4.88					
U. S. Pullorum-Typhoid Passed	No. Cap. Per.	1,311 142,913,298 39.20	3/ 1,060 109,454,970 29.64	3/ 639 67,668,265 18.33	3/ 401 51,145,814 13.3	3/ 294 41,533,422 10.7	3/ 227 31,160,402 7.8
U. S. Pullorum-Typhoid Clean	No. Cap. Per.	2,160 203,827,727 55.92	4/ 2,383 259,777,190 70.36	4/ 2,518 301,571,002 81.67	4/ 2,590 332,659,902 86.7	4/ 2,432 347,118,032 89.3	4/ 2,490 370,478,639 92.2

*Data for these years are based on the classification of chicks produced rather than hatchery classification.

1/ Produced U.S.Approved and/or U.S.Certified chicks. 3/ Produced U.S.Pullorum-Typhoid Passed chicks.
2/ Produced no U.S.Approved or U.S.Certified chicks. 4/ Produced U.S.Pullorum-Typhoid Clean chicks.

Table 4 - Summary of Flock Participation in the National Poultry Improvement Plan,
1953-54 to 1958-59, inclusive

		1953-54	1954-55	1955-56	1956-57	1957-58	1958-59
Number Flocks		83,862	79,631	68,811	67,457	51,207	50,333
Number Birds		36,027,365	37,053,120	34,850,004	39,171,386	35,879,800	39,936,492
Percent Increase	Flocks	-4.5	-5.05	-13.59	-1.97	-24.1	-1.7
or Decrease	Birds	+6.48	+2.85	-5.95	+12.4	-8.4	+11.3
Av. No. Birds per Flock		430	465	506	581	701	793
U. S. Approved	Flocks Birds Per.	77,956 31,099,528 86.32	72,751 31,658,639 85.44	63,621 29,898,127 85.79	63,905 34,655,745 88.47	48,335 31,169,722 87.0	47,436 35,421,250 88.7
U. S. Certified	Flocks Birds Per.	4,116 2,175,954 6.04	5,161 2,527,017 6.82	3,638 1,854,056 5.32	2,483 1,280,651 3.27	1,213 1,004,485 3.0	1,098 956,931 2.4
Pullorum Classes Only (no breeding stage)	Flocks Birds Per.	1,790 2,751,883 7.64	1,719 2,867,464 7.74	1,552 3,097,821 8.89	1,069 3,234,990 8.26	1,659 3,705,593 10.0	1,799 3,558,311 8.9
U. S. Pullorum- Controlled	Flocks Birds Per.	2,945 924,255 2.57					
U. S. Pullorum-Typhoid Passed	Flocks Birds Per.	36,721 10,848,992 30.11	23,002 7,247,772 19.56	10,155 3,576,303 10.26	4,755 1,816,697 4.64	3,208 1,713,392 5.0	2,727 1,758,961 4.4
U. S. Pullorum-Typhoid Clean	Flocks Birds Per.	44,196 24,254,118 67.32	56,629 29,805,348 80.44	58,656 31,273,701 89.74	62,702 37,354,689 95.36	47,999 34,166,408 95.0	47,606 38,177,531 95.6
FIRST TEST	No. Flocks No. Birds No. Reactors Percent Reactors	85,644 37,766,375 88,918 .24	81,444 39,288,860 40,316 .10	70,468 36,112,781 25,529 .07	67,941 40,614,440 18,369 .045	52,516 36,756,760 11,423 .03	50,832 40,716,266 9,920 .024